

TABLE OF CONTENTS

Volume 43

ARTICLES

BENEST, D. / Stable Planetary Orbits Around One Component in Nearby Binary Stars	47
CARUSI, A., KRESÁK, L., PEROZZI, E. and VALSECCHI, G. B. / On the Past Orbital History of Comet P/Halley	319
CONTOPOULOS, G. / Short and Long Period Orbits	147
DURIEZ, L. / Long-term Evolution of the Orbits of Natural Satellites	331
DVORAK, R. and KRIBBEL, J. / Long term Evolution of Comet Halleys Orbit (abstract only)	323
EICHHORN, H. / Physical Time and Astronomical "Time"	237
EICHHORN, H. / Predictability in Dynamical Systems	417
FERRAZ-MELLO, S. / On Resonance	69
FROESCHLÉ, C. and GONCZI, R. / On the Stochasticity of Halley Like Comets	325
FROESCHLÉ, C. and RICKMAN, H. / Monte Carlo Modelling of Cometary Dynamics	365
FROESCHLÉ, Ch. and H. SCHOLL / Secular Resonances: New Results	113
HADJIDEMETRIOU, J. D. / Periodic Orbits of the Planetary Type and Their Stability	371
HAGEL, J. / Integration Theory for the Restricted Three-Body Problem With Application to P-type orbits	223
HAHN, G. and LAGERKVIST, C. I. / Orbital Evolution Studies of Planet-Crossing Asteroids	285
HENRARD, J. and VLEESCHAUWER, A. de / Sweeping Through a Second Order Resonance	99
JUPP, A. H. / The Critical Inclination Problem: 30 Years of Progress	127
KALLRATH, J. / Bounded Orbits in the Elliptic Restricted Three-Body Problem	399
KARCH, M. and DVORAK, M. / New Results on the Possible Chaotic Motion of Enceladus	361
KEIL, E. / Stability of Particle Orbits	163
KRIBBEL, J. and DVORAK, R. / Stability of Periodic Resonance-Orbits in the Elliptic Restricted 3-Body Problem	391
LASKAL, J. and SIMON, J. L. / Fitting a Line to a Sine	37
LEMAITRE, A. and HENRARD, J. / The 3/2 Resonance	91
MARCAL, C. and RANNOU-MONTIGNY, F. / A Small Example of Arnold Diffusion	177

TABLE OF CONTENTS

MESSAGE, P. J. / Normal Co-Ordinates and Asymptotic Expansions in Resonance Cases in Celestial Mechanics	119
MILANI, A. and NOBILI, A. M. / Integration Error over Very Long Time Spans	1
MOONS, M., DELHASE, F. and DEPAEPE, E. / Elliptical Hill's Problem (Large and Small Impact Parameters)	349
NEUTSCH, W. and KALLRATH, J. / Area-Preserving Poincaré Mappings of the Unit Disk	185
ÉRDI, B. / Long Periodic Perturbations of Trojan Asteroids	303
RICHARDSON, D. L. and KELLY, T. J. / Two-body Motion in the Post-Newtonian Approximation	193
RICKMAN, H. and FROESCHLÉ, C. / Cometary Dynamics	243
RICKMAN, H. / Relation Between Small Bodies: Discussion	413
SCHUBART, J. / Resonant Asteroids Between the Main Belt and Jupiter's Orbit	309
SEIDELMANN, P. K. and HARRINGTON, R. S. / Planet X - The Current Status	55
SEIDELMANN, P. K. and WILLIAMS, C. A. / Discussion of Current Status of Planet X	409
STUMPF, P. / The General Kepler Equation and Its Solutions	211
SZEBEHELY, V. / Limits of Predictability of Gravitational Systems	139
WILLIAMS, C. / Alternative Representation of Planetary Perturbations (abstract only)	35

